No.



8200137

THE UNITED STAVES OF ANTERION

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Terra Seed Company

Williams, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exude others from selling the variety, or offering it for sale, or reproducing it, mporting it, or exporting it, or using it in producing a hybrid or different y therefrom, to the extent provided by the Plant Variety Protection Act 1542, as amended, 7 u.s.c. 2321 ET SEQ.)

COTTON

'Deltapine SR-383'

In Estimony Withercot, I have hereunto set my hand and caused the seal of the Plant Variety Exotection Office to be affixed at the City of Washington this 30th day of December in the year of our Lord one thousand nine hundred and eighty-two.

hundred and eighty-two.

Socretary of Agriculture

Acting Commissione

Plant Variety Protection Office

Grain Division Agricultural Marketing Geroice

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

 (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- Fill in the Exhibit C, Objective Description form, for all Coll SI AVW characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

8200137

THE UNITED STATES OF A WIERTON

TO ALL TO WHOM THESE PRESENTS: SHARL COME:

Pelta & Pine Land Co.

TUlticicas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF Eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXTUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT ETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT

COTTON

'Deltapine SR-383'

In Esstimony Winercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C.

this 30th day of December in the year of our Lord one thousand nine hundred and eighty-two

Allest. Kenneth Herans Cting

Commissioner Plant Variety Protection Office Grain Division

Agricultural Marketing Service

John R Block

EXHIBIT A

ORIGIN AND BREEDING HISTORY

Deltapine SR-383 was developed by the Pedigree Method as the result of hybridization between a Deltapine strain and a Tamcot strain. The actual parentage is:

Deltapine Strain 6434-513-66 X Tam CA 1073-1-3

The female parent has the same parentage as the protected variety 'Deltapine SR-5' (Acala 1517BR2 X DP Strain 5835).

The male parent is a selection from a disease resistant line developed by Dr. Levon Ray and the Texas Agricultural Experiment Station at Lubbock, Texas.

The hybrid cross was made during the summer of 1973. The Fl was grown in Mexico during the winter of the same year. The F2 population was grown at Lubbock, Texas during the summer of 1974. Single plant selections were begun at that time to begin the first step of a single plant - progeny row method of selection which proceeded through the F4 generation. The strain 73137-47-51-61 was derived by bulking a single F5 progeny row in 1977 derived from an F4 single plant grown in 1976.

Deltapine SR-383 has been evaluated for four years in replicated tests (1978, 1979, 1980, and 1981) with Deltapine SR-4, Deltapine SR-5, and Paymaster 303 as the check varieties. During this period Deltapine SR-383 has been tested for its response to the following diseases and pests: Verticillium wilt, Bacterial Blight, Fusarium wilt-nematode complex, and aphids.

During this period of testing a separate increase of the variety was maintained each year, serving as Breeder's seed for increase of later generations.

Deltapine SR-383 has been observed over several locations and years to be stable and uniform for the characters described in this application, with no VARIANTS OBSERVED. 99 th 1/13/82

EXHIBIT B

DELTA & PINE LAND COMPANY'S APPLICATION FOR DELTAPINE SR-383

NOVELTY STATEMENT

Deltapine SR-383 most nearly resembles Deltapine SR-5, with both varieties having a similar parentage on the maternal side of the cross from which each variety was developed.

Deltapine SR-383's novelty is illustrated by the following data collected from four years (1978, 1979, 1980, and 1981) by Delta & Pine Land Company in Texas.

EXHIBIT B - Continued

CHART

	Ī	Deltapine SR-5	Deltapine SR-383	Difference
1.	DATA FROM TABLE B I (4 Year	rs Testing)		
	Lint Yield-Lbs./Acre Percent of Check Lint Percent (Pulled) Percent Wilt (Verticillium Fiber Length,UHM, inches Fiber Length Uniformity Rat Fiber Strength, grams/tex Micronaire Index Storm Resistance Index	.98 io 78.2	587 116 21.2 24 1.01 82.6 27.3 4.1 2.2	+ 81 + 16 + 0.4 - 15 + 0.03 + 4.4 + 5.5 + 0.9 + 0.2
2.	DATA FROM EXHIBIT C (1 Year	Testing)		
	Cm. Plant Height Cm. to 1st Fruiting Branch Nodes to 1st Fruiting Branc Cm. Diameter of Boll Cm. Length of Boll Seed Per Boll Cm. Width of Widest leaves at Maturity		64.4 10.9 6.4 3.0 4.0 31	- 10.1 - 0.5 - 0.4 + 0.1 + 0.3 + 0



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Student's "t" Distribution Test for Significance-Paired Plots

Year & Test No.

Fiber Strength (grams/tex)

	Deltapine SR-383	Deltapine SR-5		D2
79-041	X2 23.8	X1 19.5	D=X2-X1 4.3	18.49
79-31 80-03	24.0 29.3	21.3	2.7 7.3	7.29
80-05	29.3	22.0 24.3	7.3 5.5	53.29 30.25
80-13 80-16	28.7	22.6	6.1	37.21
80-23	29.0 32.2	23.0 24.0	6.0 8.2	36.00 67.24
81-02	25.5	21.7	3.8	14.44
81-04 81.12	24.0 27.4	20.0 21.3	4.0 6.1	16.00 37.21
81-16	26.9	20.5	$\left\{ D = \frac{6.4}{60.4} \right\}$	40.96
	300.6	240.2	$\{D = \overline{60.4} \}$	D = 358.38
	$\overline{X}_2 = 27.3$	$\overline{X}_{1} = 21.8$	$\bar{D} = 5.44$	
$\left\{d^2 = \left\{D^2\right\}\right\}$	$-\frac{(\xi D)^2}{h} = 358,38$	$1 - \frac{3648.16}{11} = 2$	4.73	
$S_D^2 = \frac{\left\{d^2\right\}}{n-1}$	$= \frac{26.73}{10} = 2.673$	Variance		
$5\frac{2}{D} = \frac{5D^2}{h}$	$=\frac{2.673}{11}=0$,243 Variance	of a Difference	
$S_{\bar{D}} = \frac{S_{\bar{D}}}{7n}$	$=\sqrt{\frac{S_b^2}{h}}=\sqrt{\frac{2.6}{11}}$	$\frac{73}{1} = \sqrt{0.243} = \frac{1}{1}$	0,493 standard of a Di	Error fference
"t"= D-1	$\frac{40}{0.493} = \frac{5.49-0}{0.493} =$	11.13 **		
t.05, 10 df	= 2,228			
t.01, 10 df	= 3.169			

p.13

Student's "t" Distribution for Significance-Paired Plots

Year & Test No.

Micronaire Index

		•		
•	Deltapine SR-383 X2	Deltapine SR-5 X1	Difference D=X2-X1	D ²
79-41	3.7.	2.7	1.0	1.00
79-31 80-03	3.5 4.0	2.5 3.2	1.0 0.8	1.00 0.64
80-05	4.9	4.0	0.9	0.81
80-13	4.3	3.1	1.2	1.44
80-16	4.5	3.5	1.0	1.00
80-23 81-02	4.6 3.7	3.8 3.4	0.8 0.3	0.64 0.09
81-04	3.7	3.1	0.6	0.36
81-12	3.7	2.8	0.9	0.81
81-16	4.2	$\frac{3.5}{35.6}$	0.7	0.49
	44.8	35.6	$\left\{ D = \frac{0.7}{9.2} \right\}$	$\frac{2}{5} = 8.28$
	X2 = 4.1	$\overline{\chi}_1 = 3.2$		
€d2 =	$\left\{ D^2 - \frac{(\left\{ D\right)^2}{N} = 8.28 - \frac{1}{2} \right\} = 8.28 - \frac{1}{2} $	$\frac{84.64}{11} = 8.28 - 7.$	69 = 0.59	
$5_p^2 = -$	$\frac{\xi d^2}{h-1} = \frac{0.59}{10} = 0.0$	59 Variance		
	$\frac{S_0^2}{h} = \frac{0.059}{11} = 0$			
Sō =	$\frac{SD}{VN} = V\frac{SD}{N} = VO.$	$\frac{059}{11} = \sqrt{0.0054}$	$\neq = 0.073$ Stan	dord Error Difference
"t"==	$\frac{D-40}{50} = \frac{0.84-0}{0.073}$	= 11.51 **		
t.05,10d	f = 2,228			
t.01,10d	lf = 3.169			

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20705

(Cotton)

OBJECTIVE DESCRIPTION OF VARIETY

34333A COTTON (Gossypium spp.) NAME OF APPLICANT(S) TEMPORARY DESIGNATION VARIETY NAME Cine make as of the 1900 Delta & Pine Land Company Deltapine SR-383 ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) FOR OFFICIAL USE ONLY PVPO NUMBER Heißi hahr bondun untif Route 1. Box 110 Lubbock, TExas Place numbers in the boxes (e.g., | 0 | 8 9) for the characters that best describe typical plants of this variety. The symbol 4 indicates decimal. COMPARISON VARIETIES FOR USE BELOW 1 = Coker 310 2 = Deltapine 61 3 = Stoneville 213 4 = Paymaster 303 5 = Acala 1517-75 6 = Acala SJ-5 7 = Tamcot SP-37 9=Deltapine SR-SPECIES: 1 = <u>G</u>. <u>hirsutum</u> L 2 = <u>G. barbadense</u> L. AREA(S) OF ADAPTATION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted): 0 Delta Central 2 High Plains El Paso Area Western Low Hot Valleys () San Joaquin Other (Specify) Western High Valleys MATURITY (50% Open Balls, Ideal Method: Date 50% of Crop-Harvested-determined from sequential yield harvests. Give method Stratified Sequential harvest starting 115 days after planting - See Table C 0 2 No. of Days earlier than 9 Maturity same as Comparison Varieties No. of Days later than 1 = Early (Tamcot SP 37) 2 = Medium (McNair 220) PLANT: 110 Cm Shorter than 9 Habit: 1 = Spreading, 2 = Intermediate, 3 = Compact Height same as Comparison Varities Foliage: 1 = Sparse, 2 = Intermediate, 3 = Dense Cm Taller than Stem: 1 = Lodging, 2 = Intermediate, 3 = Erect Cm to 1st Fruiting Branch (from cotyledonary node) 06 No. of Nodes to 1st Fruiting Branch Stem Pubescence: ATEC WATER AND A CONTROL 1 = Glabrous 2 = Sparse Pubescence 3 = Pubescent (Stoneville 213) LEAF: Cm Width of Widest Leaves at Maturity 116 Type: 1 = Normal, 2 = Okra, 3 = Super Okra (1.0) 1000 Pubescense: 1 = Glabrous (Tamcot SP21S) 2 = Sparse Pubescence (DPL-16) 3 = Pubescent (Stoneville 213) 4 = Heavy Pubescence Color: 1 = Greenish Yellow (Cascot B-2) 2 = Light Green (Stoneville 603) 3 = Dark Green (Coker 310) 4 = Other (Specify) Nectaries: 1 = Absent 2 = Present FUITING BRANCH: 2 = Short Type: 1 = Cluster 3 = Normal 'Growth: 1 = Determinate 2 = Intermediate 3 = Indeterminate 7. GLANDS (Gossypol): Gland Density (Vegetative): 1 = Glandless 2 = Low 3 = Medium (Stoneville 213) 4 = High

2 = Medium (Stoneville 213)

Gossypol % (Buds): 1 = Low

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ر الب الكا لوال الم	•	Z≖ Frego: Silvi on all a o Private de la	Na Pinana a	tals:: 1:= Cream (CAS YESTER) :-	2 = Yellow	
	ctaries: 1 = Absent	2 = Present	L Po	llen: 1 = Cream	2 = Yellow	
9. SEEDS:	eed Index (g/100 seeds, ft	uzzy seed basis)	TO AN ELECTRICATION OF THE CONTROL O	The state of the s	and the second s	
845 0 Li	nt Index <i>(g of lint/100 se</i>	eds)				
	ed Fuzz: 1 ≂ sparse (Gr	egg 35) 2 = Moderate (L	OPL-61) 3 = Heavy (Acala \$J-1) 4 =	Tufted (<i>Pima</i>)	
IO. BOLLS:	22.3AQ2370 #033 223823 0403	<u>v</u>				
3 5 3	t Percent		3 1 No	o. Seeas Per Boll		
	Lint % less than		64 56 Gr	ams Seed Cotton Per	Ball	-
	Same as	Comparison Varitie.		Grams less than		
0 0	Lint % more than 9		(Same as	Comparison Varieties	
· ·	ing the standard wife The standard			Grams more than		
	ules: 1 = 3-4 2 = 4				i iii Hele jaar iyaan	ita i
	ing: 1 = None 2 = F	·		o de la companya de l La companya de la companya de		. J
∠ Type	e: 1 = Stormproof (West)	burn 70) 2 = Storm Res	sistant <i>(Lankart 57)</i>	3 = Open <i>(Deltapine</i>	16)	
3 0 Mm	Diameter.)		egalis, in the same of the state of the	v ()	, &	
2 Brea	dth: 1 = Broadest at Base				en alla alla seggi en	٠.
3 Shap	pe: 1 = Length Less Than	Width 2 = Length Equ	als Width 3 = Length	h Greater Than Width		
11. BRACTEOL	EŞ:		The second secon			
3 Brea	dth: 1 = Length Less Tha	an Width 2 = Length		= Length Greater Th		197
Teet	h: 1 = Fine 2 =	Coarse	(Cost.)			
4 No.	Teeth: 1 = 3-4 2	= 5-7 3 = 8-10	4 = More Than 10		ng thaifing). Tha an mining makking palasan an	
12. FIBER LEN	and the contract of the contract of the contract of	The state of the s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	le Length (32nd inches)	garage and the seasons			E All Commences of the	
	pan Length <i>(2.5%)</i>	which was a series		Caract report of the	A Company of the Comp	
	n. Shorter Than	स्ट्रिक्ट के प्रकार के स्टब्स्ट के स्ट		In. Shorter Than		
	Length Same as	Comparison Varieties		Length Same as	Comparison Varieties	
	n. Longer Than)		in. Longer Than		
	oan Length <i>(50%)</i>					
_ 	ormity Index (50%/2.5%)	A STORY SAME BEST	[8 2] Unit	formity Ratio (Mean)	/UHM)	
A	ENGTH ELONGATION				kan malaya sa mata ka malaya sa ka ka sa	
		a の ・私はWarring to the app Till ・	27 A3 Stel	ometer (1 ₁)	en in die deutsche der State von der Werbig. Die State von deutsche der der State werden	
	gation (E ₁)	् । । । । । । । । । । । । । । । । । । ।	4 <u>4 10</u> Micr	onaire	un (Empresagnes de Comprise des des La compresagnes	
Yarn	Tenacity (cN/tex-27-tex	Production of the	particularly and market	1.30	en in die Mithele des teens in die de 175 Gebeure George	
	 	Open End Spun Yar	······································	1/ 1	The state of the s	
14. DISEASES:	•	eptible, 2 = resistant)		· . ·	· · · · · · · · · · · · · · · · · · ·	
	Wilt		Bacterial Bl	light (Race 2)	And the second of the second o	
2 Verticillium						1.5
2 Verticillium	lt	1986-9716	Bacterial Bl	light <i>(Other Races)</i> _		
2 Fusarium Wi	and the second second	THE STATE	Bacterial Bl	light <i>(Other Races)</i> _ Blight		
	lematode	THE STATE OF THE S	Ascochyta	light <i>(Other Races)</i> Blight chum Root Rot	The second secon	

14. DISEASES (Continued): (0 = not tested, 1 = susceptible, 2 =	resistant)	ing the second of the second o	8200137	every a limit of the
Rhizoctonia solani		to the second second to the second second to the second second	Southwestern Cotton	Rust	4.4
① Anthracnose			O Thielaviopsis basicola		*
O Pythium (specify specify	9s/		Diplodia Boll Rot	en gant en	
Reniform Nematorle			Other (specify)	A Company of the Comp	<u> </u>
Alternaria macrospora			Other (specify)		
15. INSECTS: (0 = not tes	ted, 1 = susceptible, 2 = resistant)		F .		: :
0 Boll Weevil			① Thrip	en de la companya de La companya de la co	
2 Aphid	•		① Cutworm		
0 Fleahopper			Alabama argillacea (Le	af Worm)	
] Fall Armyworm			O Spider Mite		
O Grasshopper			Heliothis zea (Bollwort	<i>n)</i>	_
O Lygus		•	0 Heliothis verescens (To	bacco bud worm)	9 - 1
O Pink Bollworm			Other (specify)		 :
O Stink Bug		rangan sa matangan Manggan sa matangan Manggan	Other (specify)		
(Indicate degree of resembla	MOST CLOSELY RESEMBLES THE nee (D.R.) with one of the following neperior, etc. Use comparison varieties of	umbers: 1 = 1	Submitted variety is less that	THE FOLLOWING CHARACTERISTI n, lighter, or inferior to similar variety, 2	CS: = Same as
CHARACTER	SIMILAR VARIETY	D.R.	CHARACTER	SIMILAR VARIETY	D.R.
Leaf Pubescence	Deltapine SR-5	2	1000 PSI		
Seed Index			Stelometer (T1)	Acala SJ2	2
Lint Index			Elongation (E ₁)		
Yarn Tenacity			Micronaire	Stripper 31	2
Verticillium Wilt Resistance	Paymaster 303	2	Fusarium Wilt Resistance		
17. COMMENTS: (Present a disease reactions, other expre	nformation which cannot be adequated essions of maturity:)	ly described i	n 1 to 16 that significantly o	listinguishes your variety such as compar	ative

EXHIBIT D

9.19

DELTA & PINE LAND COMPANY'S APPLICATION FOR DELTAPINE SR-383

Additional Description of the Variety

Summary tables for each region are designated by the exhibit letter followed with a Roman Numeral, worksheets by a number and original tables by lower case letters.

ASSIGNMENT

The undersigned (the "Seller"), for good and valuable consideration hereby assigns to TERRA CHEMICALS INTERNATIONAL, INC., a Delaware corporation, and its successors and assigns (the "Buyer"), all of the undersigned's right, title and interest in and to all of the Seller's breeding rights to all generations of "stripper type" cotton seed now owned by the Seller, including, but not limited to, those described on Schedule 1 annexed hereto, and any varieties pending registration, all experimental varieties either in the increase stage or in the laboratory testing stage and all research (including such data as may be on computers), strains and materials.

This instrument is being executed in order to record the assignment described herein with the Plant Variety Protection Office of the Department of Agriculture pursuant to Section 2531(d) of Title 7 of the United States Code and the regulations promulgated thereunder.

DELTA PINE LAND COMPANY

F.W. Canfield

STATE OF TENNESSEE

COUNTY OF SHELBY

Before me, a Notary Public, in and for said State and County, duly commissioned and qualified, personally appeared F. W. CANFIELD, known to me to be the person whose name is subscribed to the foregoing instrument and known to me to be the Financial Vice President of DELTA AND PINE LAND COMPANY, a corporation, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act of said corporation.

Given under my hand and seal of office this 3 d day of March, 1983.

Notary Public

My commission expires:

My Commission Expires March 17, 1986

Cotton Seed Varieties of Delta and Pine Land Company for which Certificates have been issued

Variety		Certificate No.	Certificate <u>Date</u>
	_		
Deltapine		7200042	6/27/75
Deltapine	SR-2	7200043	6/27/75
Deltapine	SR-4	7500089	6/17/76
Deltapine	SR-5	8000052	12/18/80
Deltapine	SR-980	8100098	11/19/81
Deltapine	SR-482	8200067	7/15/82
Deltapine	SR-383	8200137	12/30/82

ASSIGNMENT

The undersigned (the "Sellers"), for good and valuable consideration, hereby sells, assigns and transfers to Summit Seed Company, Inc., a Texas corporation, and its successors and assigns (the "Buyer") all of the undersigned's right, title and interest in and to the following plant varieties:

Certificate Number 8400088, Terra SR-10
Certificate Number 7200043, Deltapine SR-2
Certificate Number 7500089, Deltapine SR-4
Certificate Number 8000052, Deltapine SR-5
Certificate Number 8200137, Deltapine SR-383
Certificate Number 8200067, Deltapine SR-482
Certificate Number 7200042, Deltapine SR-1
Certificate Number 8100098, Deltapine SR-980

This instrument is being executed in order to record the assignment described herein with the Plant Variety Protection Office, the Department of Agriculture pursuant to Section 2531(d) of Title 7 of the United States Code and Regulations promulgated thereunder.

IN WITNESS WHEREOF, the Sellers have caused this Assignment to be executed on their behalf by their duly authorized officers effective on the 27th day of August, 1986.

TERRA SEED COMPANY

By: Musike. Musiken Gregofy of Duerkson Its: Vice President

TERRA INTERNATIONAL, INC.

By: Algola Wulhsen
Greager II Durksen
Its: 4P, Marketing & Development

STATE OF Jour \$

COUNTY OF Woodbury 5

THIS INSTRUMENT ACKNOWELDGED BEFORE ME on this the day of $\frac{1}{1}$, 1988, by Gregory J. Duerksen, Vice President of Terra Seed Company.

STATE OF Jowa \$

COUNTY OF Woodbury S

BILL OF SALE

DATE: May 6, 1988

SELLER: Summit Seed Company, Inc., a Texas corporation

SELLER'S ADDRESS: 622 28th Street

Lubbock, Lubbock County, Texas 79401

BUYER: West Texas Seed and Delinting, Inc., a Texas corporation

BUYER'S ADDRESS: Box 335

Slaton, Lubbock County, Texas 79364

CONSIDERATION: TEN AND NO/100THS DOLLARS (\$10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged.

- PERSONAL PROPERTY: (1) Certain fixed assets of Seller relating to its cotton seed business, including those assets listed on Exhibit "l" attached hereto.
 - (2) Seller's entire cotton breeding and research program, expressly including the breeding rights to all cotton varieties or strains now owned by Seller, including, but not limited to those registered varieties described in Exhibit "2" attached hereto, the advance experimental strains of cotton varieties listed in Schedule "3" attached hereto and all other experimental strains or varieties either in the increased stage or in the laboratory testing stage, and all research data, strains, crosses, seeds, and materials relating to cotton and/or Seller's cotton seed business.
 - (3) All of Seller's intellectual property rights, whether registered or not, including, without limitation, trade secrets, software, trademarks, service marks, registered names, copyrights, certificates of plant variety protection, and patents relating to Seller's cotton seed business or the assets conveyed herein, except, however, Seller does not convey any goodwill connected with the name "Summit Seed Co." or any variations thereof and WTS&D shall not have the right to use such name except in sale of existing bags, containers and/or labels bearing the Summit name.
 - (4) All of Seller's existing inventory of registered and breeder's cotton seed, together with all bags, labels and other containers associated with said inventory of cotton seed, and the right to use the labels, and containers in the course of sale of such inventory.
 - (5) All of Seller's right, title and interest in any claims, causes of action and judgments relating to Seller's cotton seed business for the assets conveyed herein.
 - (6) All books, records, and other data relating to Seller's cotton seed business or to the purchased assets, including, without limitation, all customer lists, fixed asset records, purchase orders, invoices, sales orders, correspondence, contract files, sales literature, catalogues, brochures, price lists, and product data.

FOR VALUE RECEIVED Seller sells and delivers the

personal property to Buyer and warrants and agrees to defend title to the personal property to Buyer against all lawful claims.

SUMMIT SEED COMPANY, INC., a Texas Corporation

y: Jary (t

Its: President

ATTEST:

Jerry Parker, Secretary

EXHIBIT "1"

One John Deere LP Tractor

One Debur Machine

One 10 Saw Table Gin

One Cotton Press

One 10 Saw Eagle Gin

One Lint Cleaner

One Research Gin

One Micronaire Gage

One Smith Air Compressor

One Cotton Stripper

One Acid Delinter

One Saw Gin Condenser

One Four Row Planter with Cones

EXHIBIT "2"

PVP Certificate Number 8400088, Terra SR-10

PVP Certificate Number 7200043, Deltapine SR-2

PVP Certificate Number 7500089, Deltapine SR-4

PVP Certificate Number 8000052, Deltapine SR-5

PVP Certificate Number 8200137, Deltapine SR-383

PVP Certificate Number 8200067, Deltapine SR-482

PVP Certificate Number 7200042, Deltapine SR-1

PVP Certificate Number 8100098, Deltapine SR-980.

X41431

X41432

X41427

X41428

X41402

X61003

X61002

X61001

X61004

Any and all other experimental varieties in existence owned by Summit.

	DESCRIPTION OF THE PROPERTY OF	LANGE LAL V	•
		Date May 6, 198	8
WEST TEXAS SEED & DEI	LINTING, INC.	P. O. Box 35	5
(Debtor's Name)		Street Ac	ldress
Slaton City	Lubbock County		79364 State
(hereinafter called DEBTOR) for	value received hereby gr	ants to	
LORENZO STATE BANK			
	(Secured Party's Name)	
(hereinafter called SECURED PA	RTY) whose address is_	P. O. Box 490 Street	
Lorenzo, Crosby Count	y, Texas 79343		
	City, County, and St	ate	
a security interest in and mortgag	es to SECURED PARTY	the following described prop	erty (which here-
inafter is referred to as COLLAT.	ERAL) to-wit:		
All of Debtor's right Plant Variety Protect Texas Seed & Delintin	ion Certificates,	est in and to the each in the name	following of West
1. Certificate No. 84 2. Certificate No. 72 3. Certificate No. 80 4. Certificate No. 80 5. Certificate No. 82	00043, Deltapine 00089, Deltapine 00052, Deltapine 00137, Deltapine	SR-2 SR-4 SR-5 SR-383	

(Note—If COLLATERAL is crops, or oil, gas or minerals to be extracted, or timber to be cut, or if COLLATERAL is to become a fixture, describe in the above space following the description of the COLLATERAL the real estate concerned, and give the name of the record owner hereof.)

Certificate No. 7200042, Deltapine SR-1 Certificate No. 8100098, Deltapine SR-980

to secure DEBTOR'S note to SECURED PARTY dated May 6 , 19 88 , for \$365,000.00

(Note—Place checkmark (\checkmark) in the blank space before each statement which applies to this agreement.) DEBTOR warrants and covenants: before et

COLLATERAL is to be used for personal, family, or household purposes.

COLLATERAL is to be used in business other than farming operations.

COLLATERAL is equipment used in farming operations, or farm products, or accounts, contract rights or general intangibles arising from or relating to the sale of farm products by a farmer.

COLLATERAL is accounts or contract rights and the records concerning same are kept at) COLLATERAL is a fixture attached to or (____) COLLATERAL is a incure attached to or
to become a fixture attached to the above
described land.
(____) COLLATERAL is being acquired by
DEBTOR from SECURED PARTY or is
being acquired with the proceeds of the
advance evidenced by this agreement.
DEBTOR'S residence is at:

or if left blank at address given for DEBTOR.

P. O. Box 355, Slaton, TX 79364 (Address)
COLLATERAL will be kept at:

P. O. Box 355, Slaton, TX 79364 (Address) DEBTOR'S chief place of business is at:

O. Box 355, Slaton, TX 79364 (Address)

The warranties, covenants, terms and agreements on the reverse side hereof are incorporated herein and made a part hereof for all intents and purposes. DEBTOR and SECURED PARTY as used in this Security Agreement include the heirs, executors or administrators, successors or assigns of those parties.

SALE AND ROYALTY AGREEMENT

This Agreement made and entered into on the date hereinafter written, by and between SOUTHLAND SEED COMPANY, Texas partnership, hereinafter called "Southland," and SEEDCO CORPORATION, a Texas corporation, hereinafter called "Seedco," as follows:

WHEREAS, Southland is the owner of certain equipment and an inventory of planting seed including legally protected varieties of seed, and

WHEREAS, Seedco desires to purchase the equipment owned by Southland identified in the attached Exhibit "A" for the price set out in the attached Exhibit "A" upon the terms and conditions set out in the Agreement, and

WHEREAS, Seedco further desires to purchase the inventory of planting seed of Southland and the right to reproduce and market the seed varieties of Southland upon the terms and conditions set out in this Agreement, and

WHEREAS, the parties have entered into this Agreement for the purpose of evidencing their agreements and intentions in connection with the property and rights to be acquired by Seedco from Southland.

NOW, THEREFORE, for and in consideration of the mutual benefits to the parties hereto and the covenants and agreements set out herein, it is mutually agreed as follows:

- 10. Texas Law to Apply. This contract shall be construed and enforced in accordance with the laws of the State of Texas, and all obligations hereunder are performable in Lubbock County, Texas.
- 11. <u>Binding Effect</u>. This Agreement shall be binding on the parties hereto, their heirs, legal representatives, successors, and assigns to the extent of any permitted assignment.

DATED this 7th day of October, 1991, but effective September 1, 1991.

SOUTHLAND SEED COMPANY, A Texas Partnership

P.O. Box 335 Slaton, Texas 79364

JIM GRAY, Partner

By: Gray Frank GRAY, Fartner

SEEDCO CORPORATION

103 East Erskine Lubbock, Texas 79403

: Orya Danogora

EXHIBIT "A"

ASSET LIST

Plant Variety Protection on Following Varieties:

- 1. Deltapine SR 482
- 2. Deltapine SR 383
- 3. Southland M-1
- 4. Southland 007 Ready for PVP
- 5. Terra SR 10
- 6. Southland 400
- 7. All germplasm in the SOUTHLAND SEED COMPANY research program.
- 8. All existing PVP
- 9. All bagged seed in the possession of SOUTHLAND SEED COMPANY

TOTAL: \$200,996.00

Research Equipment

- 1. Hance Lab Seed Cleaner
- 2. Toledo Scales 100 lbs.
- 3. Toledo Scales 500 gm.
- 4. Eagle 10 Saw Gin
- 5. 8 Saw Table Model Gin
- 6. Debur Machine
- 7. Cotton Seed Oil Press
- 8. Small Delinting Line with Dryer
- 9. Cement Mixer (for delinting)
- 10. Cotton Stripper 282 J.D.
- 11. 4 Row Planter 6100 J.D.
- 12. 4 Almaco Belt Cones
- 13. Sortex Pneumatic Separator
- 14. Miscellaneous Small Research Supplies and Equipment

Office Equipment and Furniture

- 1. Fax Machine RF 850
- 2. 1 Wood Executive Desk and 3 Chairs
- 3. 1 Metal Credenza
- 4. 4 Metal Desks
- 5. 13 Office Chairs
- 6. 1 Fireproof File Cabinet
- 7. 5 Work Tables
- 8. 5 Book Shelves
- 9. Customer List
- 10. All Computer Software Pertaining to SSC

TOTAL EQUIPMENT: \$ 26,000.00

TOTAL PURCHASE PRICE: \$226,996.00 plus the total amount of "fuzzy seed"

(to be calculated after closing) at \$160.00 per ton.

FM 400 North - P.O. Box 335 - Slaton, Texas 79364 - (806) 828-5845

To Whom It May Concern:

The Plant Variety Protection for Southland M-1 and Southland 400 are under the name of Southland Seed Company.

The Plant Variety Protection for Deltapine SR-383, 482, SR-5, 980 and Terra SR-10 are under the name of West Texas Seed & Delinting, Inc.

Southland Seed Company was a subsidiary of West Texas Seed & Delinting, Inc. and at the time of purchase were one in the same.

All varieties listed above under Southland Seed Company and West Texas Seed & Delinting, Inc. were all owned by the same entity.

Jim Gray Owner/Manager